

Digital modular measuring and monitoring instruments

- modular DIN rail mounting (3 module 54mm wide)
- auxiliary supply 220-240VAC
- stores minimum and maximum measurement values (since last reset)
- 1 changeover relay output 8A 250VAC

type	description	measurement range	price
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Voltage monitor (measures and displays single or 3-phase voltages and Ph-Ph voltages)

- overvoltage range : off/102-120% (delay 0-900sec)
- undervoltage range : off/70-98% (delay 0-900sec)
- voltage/phase loss or failure : off/5-85% (delay 0-900sec)
- programmable PT ratio : 1.00-500.00 (accuracy: $\pm 0.25\%$ f.s. ± 1 digit)

DMK80R1	single phase over / under voltage meter / monitor	15-660VAC	
DMK70R1	three phase over / under voltage meter / monitor	15-660VAC	

Current monitor (measures and displays single and 3 phase currents)

- measurement range : 0.05A-5.75A (CT ratio: 5-10,000A) $\pm 0.5\%$
- overcurrent range : off/2-100% (delay 0-900sec)
- instantaneous tripping : off/110-600%
- undercurrent range : off/5-98% (delay 0-900sec)

DMK81R1	single phase over / under ammeter / monitor	0.05-5.75A	
DMK71R1	three phase over / under ammeter / monitor	0.05-5.75A	

Frequency monitor (measures and displays line frequency)

- measurement range : 45-65Hz(accuracy: $1\% \pm 1$ digit)

DMK83R1	frequency meter / monitor	45-65Hz	
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Combined voltmeter, ammeter, wattmeter, frequency meter (multi instrument)

- voltage measurement range : 35-660VAC (accuracy:0.25%)
- current measurement range : 0.05-5.75A (accuracy:0.25%)
- power and frequency measurement
- programmable PT ratio : 1.00-500.00 / CT ratio 5-10,000A)

DMK75R1	multi-meter, volts, amps, power, frequency		
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Modular analogue monitors

- Modular DIN rail mounting
- Adjustable "trip" and "reset" delay
- True RMS measurements

Voltage monitors single or 3 phase (2 modules 35mm wide)

- Adjustments
- "V max" maximum voltage tripping threshold - 105-115% Ue
 - "V min" minimum voltage tripping threshold - 80-95%/Ue
 - "tripping" and "reset" time delay - 0.1-20sec

PMV55 A240	single phase over / under voltage monitor	208 - 240VAC
PMV50 A575	3 phase over / under voltage monitor	380 - 575VAC
PMV10 A440	phase failure / reversal relay (1 module 17.5mm)	208 - 480VAC
PMV20 A575	phase failure / reversal relay (2 module 35mm)	208 - 575VAC

Current monitors

- Adjustments
- Max or min current tripping threshold 5-100% Ie
 - Maximum hysteresis threshold 1-50%
 - "trip" delay - 0.1-30sec
 - "inhibition" time (power up) 1-60sec
 - current selection; 5A or 16A
 - tripping memory (latch) ON or OFF

PMA30 240	minimum or maximum current monitor	24 - 240VAC/DC
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Liquid level controls (1 module 17.5mm)

- sensitivity adjustment 2.5-50 Kohm
- programmable for "filling" or "emptying"

LVM20A240	liquid level control relay (2 modules 36mm wide)	240VAC
LVM20A415	liquid level control relay (2 modules 36mm wide)	415VAC
LVM25240	multi-voltage liquid level control relay (1 module)	24 - 240VAC/DC
SN1	1 pole insulated electrode (AISI 303 stainless steel) for LVM	
LVMPO5	pump priority change relay 2NO output	24 - 48VDC/24 - 240VAC

to balance the operating times, hence the wear of two pumps, compressors, generators when two units (primary and standby) are installed. (1 module 18mm wide)



DMK80R1



DMK81R1



DMK75R1



PMV50



PMV10



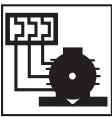
PMA30



LVM25



SN1



Digital monitoring instruments (panel mounting 96x48mm)



- auxiliary supply 220-240VAC
- operating frequency 50-60Hz
- true RMS measurements
- class 0.5 ($\pm 0.25\%$ full scale ± 1 digit)
- memory storage of maximum and minimum values
- 1 changeover relay output 8A 250V AC1
- IP54 front degree of protection
- 96 x 48mm panel mounting
- programmable time delay for max, min or voltage/current loss (0-900sec)

type	description	relay output	price
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Single phase (panel mounting 96 x 48mm)

Voltmeter Accuracy: $\pm 0.25\%$ full scale ± 1 digit

- 15-660VAC 45-65Hz
- programmable VT ratio 1.00-500.0
- settings:
 - voltage loss or failure off / 5-85%
 - maximum voltage off / 102-120%
 - minimum voltage off / 70-98%
- programmable time delays (0-900 sec)
- min/max indication storage (since last reset)

DMK00	single phase digital voltmeter only	-	
DMK00R1	single phase digital voltage monitor relay output	1 c/over	

Ammeter Accuracy: $\pm 0.5\%$ full scale ± 1 digit

- 0.05-5.75A 45-65Hz
- programmable CT ratio 5-10,000A
- settings:
 - current loss off / 2-100%
 - maximum current off / 102-120% inst. off / 110-600%
 - minimum current off / 5-98%
- programmable time delay (0-900 sec)
- min/max indication (storage) (since last reset)

DMK01	single phase digital ammeter only	-	
DMK01R1	single phase digital current monitor relay output	1 c/over	

Frequency meter Accuracy: ± 1 digit

- measurement input: 15-660VAC
- frequency measure range: 45-65Hz
- settings:
 - maximum frequency off / 101-110%
 - minimum frequency off / 90-99%
- programmable time delay (0-900sec)

DMK03	digital frequency meter only	-	
DMK03R1	digital frequency monitor relay output	1 c/over	

Three phase (panel mounting 96 x 48mm)

Voltmeter Accuracy: $\pm 0.25\%$ full scale ± 1 digit

- 15-660VAC 45-65Hz
- programmable PT ratio 1.00-500.00
- settings:
 - phase loss or failure off / 5-85%
 - maximum voltage off / 102-120%
 - minimum voltage off / 70-98%
 - asymmetry off /
 - frequency off / max:101-110% min: 90-99%
- programmable time delay (0-900 sec)
- min/max indication storage (since last reset)

DMK10	three phase digital voltmeter only	-	
DMK10R1	three phase digital voltage monitor relay output	1 c/over	

Ammeter Accuracy: $\pm 0.5\%$ full scale ± 1 digit

- 0.05-5.75A 45-65Hz
- programmable CT ratio 5-10,000A
- settings:
 - current loss off / 2-100%
 - maximum current off / 102-120% inst. off / 110-600%
 - minimum current off / 5-98%
 - asymmetry off / 2-20%
- programmable time delay (0-900 sec)

DMK11	three phase digital ammeter only	-	
DMK11R1	three phase digital current monitor relay output	1 c/over	



DMK00R1

new



DMK01R1



DMK03R1

new



DMK10R1

new



DMK11R1